



NIXON PEABODY LLP

ATTORNEYS AT LAW

100 Summer Street
Boston, Massachusetts 02110-2131
(617) 345-1000
Fax: (617) 345-1300

Robert L. Dewees, Jr.
Direct Dial: (617) 345-1316
Direct Fax: (866) 947-1870
E-Mail: rdewees@nixonpeabody.com

June 6, 2005

By Courier and E-File

Mary L. Cottrell, Secretary
Department of Telecommunications and Energy
One South Station, 2nd floor
Boston, MA 02202

Re: Bay State Gas Company, D.T.E. 05-27

Dear Ms. Cottrell:

Enclosed for filing, on behalf of Bay State Gas Company ("Bay State"), please find Bay State's responses to the following information requests of the Attorney General:

AG-7-12	AG-7-13	AG-7-14	AG-7-15
AG-7-16	AG-7-17	AG-7-18	AG-7-19
AG-7-20	AG-7-21	AG-7-22	AG-7-23

Please do not hesitate to telephone me with any questions.

Very truly yours,

Robert L. Dewees, Jr.

RLD/tlm
Enclosures

cc: Caroline O'Brien Bulger, Esq., Hearing Officer (1 copy plus 2 copies of Attachment 7-21, non-confidential compact disk)
John Sullivan, DTE (7 copies)
Andreas Thanos, Assistant Director, Gas Division
Alexander Cochis, Assistant Attorney General (4 copies)

BOS1498943.1

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF TELECOMMUNICATIONS AND ENERGY

RESPONSE OF BAY STATE GAS COMPANY TO THE
SEVENTH SET OF INFORMATION REQUESTS FROM THE ATTORNEY GENERAL
D. T. E. 05-27

Date: June 6, 2005

Responsible: James L. Harrison, Consultant (Cost Studies)

AG-7-12 Refer to Exhibit BSG/JLH-1, Schedule JLH 1-3 (Test Year SMBA). Please provide working spreadsheet models supporting this exhibit. All formulas and computations must be in fact and the model must be capable of re-computing the results shown on the referenced exhibit and computing different results based on changing the inputs. If the model for this schedule is linked to other spreadsheet models, provide all working linked models.

Response: The Simplified Market Based Allocation Method spreadsheet is proprietary and, therefore, should be considered "Protected Materials" under the Nondisclosure Agreement between the Attorney General and Bay State. The requested file and all linked spreadsheets are contained on a proprietary compact disk (which will be delivered to the Attorney General tomorrow) in the directory labeled AG-7-12.

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF TELECOMMUNICATIONS AND ENERGY

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SEVENTH SET OF INFORMATION REQUESTS FROM THE ATTORNEY GENERAL
D. T. E. 05-27

Date: June 6, 2005

Responsible: James L. Harrison, Consultant (Cost Studies)

AG-7-13 Refer to Exhibit BSG/JLH-1, Schedule JLH 1-4 (Heating Year SMBA). Please provide working spreadsheet models supporting this exhibit. All formulas and computations must be in tact and the model must be capable of re-computing the results shown on the referenced exhibit and computing different results based on changing the inputs. If the model for this schedule is linked to other spreadsheet models, provide all working linked models.

Response: The Simplified Market Based Allocation Method spreadsheet is proprietary and, therefore, should be considered "Protected Materials" under the Nondisclosure Agreement between the Attorney General and Bay State. The requested file and all linked spreadsheets are contained on a proprietary compact disk (which will be delivered to the Attorney General tomorrow) in the directory labeled AG-7-13.

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Date: June 6, 2005

Responsible: James L. Harrison, Consultant (Cost Studies)

AG-7-14 Refer to Exhibit BSG/JLH-1, Schedule JLH 1-5 (Proposed Changes--SMBA). Please provide working spreadsheet models supporting this exhibit. All formulas and computations must be in tact and the model must be capable of re-computing the results shown on the referenced exhibit and computing different results based on changing the inputs. If the model for this schedule is linked to other spreadsheet models, provide all working linked models.

Response: The Simplified Market Based Allocation Method spreadsheet is proprietary and, therefore, should be considered "Protected Materials" under the Nondisclosure Agreement between the Attorney General and Bay State. The requested file and all linked spreadsheets are contained on a proprietary compact disk (which will be delivered to the Attorney General tomorrow) in the directory labeled AG-7-14.

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Date: June 6, 2005

Responsible: James L. Harrison, Consultant (Cost Studies)

AG-7-15 Refer to Exhibit BSG/JLH-1, Schedule JLH 1-6 (CGA data). Please provide working spreadsheet models supporting this exhibit. All formulas and computations must be in tact and the model must be capable of re-computing the results shown on the referenced exhibit and computing different results based on changing the inputs. If the model for this schedule is linked to other spreadsheet models, provide all working linked models.

Response: The Simplified Market Based Allocation Method spreadsheet is proprietary and, therefore, should be considered "Protected Materials" under the Nondisclosure Agreement between the Attorney General and Bay State. The requested file and all linked spreadsheets are contained on a proprietary compact disk (which will be delivered to the Attorney General tomorrow) in the directory labeled AG-7-15.

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Date: June 6, 2005

Responsible: James L. Harrison, Consultant (Cost Studies)

AG-7-16 Refer to Exhibit BSG/JLH-2, Schedule JLH-2-1 (Class Cost of Service Reconciliation to Skirtich Schedules). Please provide working spreadsheet models supporting this exhibit. All formulas and computations must be in tact and the model must be capable of re-computing the results shown on the referenced exhibit and computing different results based on changing the inputs. If the model for this schedule is linked to other spreadsheet models, provide all working linked models.

Response: MAC's class cost of service model is proprietary and, therefore, is provided as "Protected Materials" under the Nondisclosure Agreement between the Attorney General and Bay State. The requested files are being provided on a proprietary compact disk (which will be delivered to the Attorney General tomorrow) in the directory labeled AG-7-16.

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF TELECOMMUNICATIONS AND ENERGY

RESPONSE OF BAY STATE GAS COMPANY TO THE
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Date: June 6, 2005

Responsible: James L. Harrison, Consultant (Cost Studies)

AG-7-17 Refer to Exhibit BSG/JLH-2, Schedule JLH-2-2 (Functional Class Cost of Service-Delivery). Please provide working spreadsheet models supporting this exhibit. All formulas and computations must be in tact and the model must be capable of re-computing the results shown on the referenced exhibit and computing different results based on changing the inputs. If the model for this schedule is linked to other spreadsheet models, provide all working linked models.

Response: Please refer to response AG-7-16.

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF TELECOMMUNICATIONS AND ENERGY

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Date: June 6, 2005

Responsible: James L. Harrison, Consultant (Cost Studies)

AG-7-18 Refer to Exhibit BSG/JLH-2, Schedule JLH-2-3 (Functional Cost of Service-Supply). Please provide working spreadsheet models supporting this exhibit. All formulas and computations must be in tact and the model must be capable of recomputing the results shown on the referenced exhibit and computing different results based on changing the inputs. If the model for this schedule is linked to other spreadsheet models, provide all working linked models.

Response: Please refer to response AG-7-16.

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF TELECOMMUNICATIONS AND ENERGY

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Date: June 6, 2005

Responsible: James L. Harrison, Consultant (Cost Studies)

AG-7-19 Refer to Exhibit BSG/JLH-2, Schedule JLH-2-4 (Unbundled Production and Distribution Cost of Service). Please provide working spreadsheet models supporting this exhibit. All formulas and computations must be in tact and the model must be capable of re-computing the results shown on the referenced exhibit and computing different results based on changing the inputs. If the model for this schedule is linked to other spreadsheet models, provide all working linked models.

Response: Please refer to response AG-7-16.

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF TELECOMMUNICATIONS AND ENERGY

RESPONSE OF BAY STATE GAS COMPANY TO THE
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D. T. E. 05-27

Date: June 6, 2005

Responsible: James L. Harrison, Consultant (Cost Studies)

AG-7-20 Refer to Exhibit BSG/JLH-2, Schedule JLH-2-5 (Unbundled Class Cost of Service Results at Proposed and Present Returns). Please provide working spreadsheet models supporting this exhibit. All formulas and computations must be intact and the model must be capable of re-computing the results shown on the referenced exhibit and computing different results based on changing the inputs. If the model for this schedule is linked to other spreadsheet models, provide all working linked models.

Response: Please refer to response AG-7-16.

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF TELECOMMUNICATIONS AND ENERGY

RESPONSE OF BAY STATE GAS COMPANY TO THE
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Date: June 6, 2005

Responsible: James L. Harrison, Consultant (Cost Studies)

AG-7-21 Refer to Exhibit BSG/JLH-2, Schedule JLH-2-6 (Allocator Table). Please provide working spreadsheet models supporting the external allocators. All formulas and computations must be intact and the model must be capable of recomputing the results shown on the referenced schedule and computing different results based on changing the inputs. If the model for this schedule is linked to other spreadsheet models, provide all working linked models.

Response: The first 32 pages of this schedule are produced by a text file. The remainder of this exhibit is taken from the class cost of service study. See the response to AG-7-16. For information regarding external allocation factors of gas supply costs, refer to the Company's response to AG-7-16. The remaining external allocation factors are not proprietary and are provided on a compact disk labeled Attachment AG-7-21.

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Date: June 6, 2005

Responsible: James L. Harrison, Consultant (Cost Studies)

AG-7-22 Refer to Exhibit BSG/JLH-2, Schedule JLH-2-6 (Allocator Table). Please
annotate the schedule to identify all allocators that have the same
numeric values but have different acronyms. For each occurrence,
identify the equivalent acronyms in a column to the right of the page.

Response: See Attachment AG-7-22.

Same Numeric
Value As

ALLOCATORS, Page 24

- | | | |
|------------|---------------------------------|----------|
| 1. DBASE | – Base Demand Costs | |
| Ratio | Page 33 Line 14 | |
| | <u>Items Allocated</u> | |
| | Page 10 Line 1 | |
| | | |
| 2. DREMAIN | – Remaining Demand Gas Costs | |
| Ratio | Page 33 Line 15 | |
| | <u>Items Allocated</u> | |
| | Page 10 Line 2 | |
| | | |
| 3. DISTR | – Distribution Allocator | CUST3860 |
| Ratio | Page 33 Line 1 – Second Section | CUST3862 |
| | <u>Items Allocated</u> | CUST3863 |
| | Page 3 Lines 1 to 3 | CUST488 |
| | Lines 4 to 10 | CUST882 |
| | Lines 12 to 13 | CUST879 |
| | Line 22 | |
| | Line 24 | |
| | Page 8 Lines 2 to 4 | |
| | Page 11 Lines 2 to 3 | |
| | Line 9 | |
| | Page 13 Line 30 | |
| | Line 32 | |
| | Page 22 Line 16 | |
| | | |
| 4. PENSION | – Pension & PBOP Allocator | REVCLAIM |
| Ratio | Page 33 Line 3 – Second Section | |
| | <u>Items Allocated</u> | |
| | Page 13 Line 34 | |
| | Page 14 Line 3 | |

Same Numeric
Value As

ALLOCATORS, Page 25

- | | |
|----------|----------------------------|
| 1. EBASE | – Base Commodity Gas Costs |
| Ratio | Page 34 Line 1 |
| | <u>Items Allocated</u> |
| | Page 10 Line 4 |

2. EREMAIN – Remaining Commodity Gas Costs
 Ratio Page 34 Line 2
Items Allocated
 Page 9 Lines 4 to 5
 Line 16
 Lines 18 to 19
 Page 10 Line 5

ALLOCATORS, Page 26**Same Numeric
Value As**

1. CUST380 – Acct 380 Gas Services
 Ratio Page 35 Line 1
Items Allocated
 Page 3 Line 14
2. CUST381 – Acct 381 Gas Meters
 Ratio Page 35 Line 2
Items Allocated
 Page 3 Line 15
3. CUST382 – Acct 382 Meter Installations
 Ratio Page 35 Line 3
Items Allocated
 Page 3 Line 16
4. CUST383 – Acct 383 Gas Regulators
 Ratio Page 35 Line 4
Items Allocated
 Page 3 Line 17
5. CUSTDEP – Customer Deposits
 Ratio Page 35 Line 5
Items Allocated
 Page 7 Line 21
6. CUSTTR – Transportation Customers
 Ratio Page 35 Line 6
Items Allocated
 Page 7 Line 22
7. CUST3860 – Acct 386.0 Gas Water Heaters
 Ratio Page 35 Line 7
Items Allocated
 Page 3 Line 18

DISTR
 CUST3862
 CUST3863
 CUST488
 CUST882
 CUST879

- | | | | |
|-----|----------|--|----------|
| 8. | CUST3862 | – Acct 386.2 Cascade Diamond Boilers | DISTR |
| | Ratio | Page 35 Line 8 | CUST3860 |
| | | <u>Items Allocated</u> | CUST3863 |
| | | Page 3 Line 19 | CUST488 |
| | | | CUST882 |
| | | | CUST879 |
| | | | |
| 9. | CUST3863 | – Acct 386.3 Conversion Burners | DISTR |
| | Ratio | Page 35 Line 9 | CUST3860 |
| | | <u>Items Allocated</u> | CUST3862 |
| | | Page 3 Line 20 | CUST488 |
| | | Page 22 Line 19 | CUST882 |
| | | | CUST879 |
| | | | |
| 10. | CUST487 | – Acct 487-Return Check Charges | |
| | Ratio | Page 35 Line 10 | |
| | | <u>Items Allocated</u> | |
| | | Page 8 Line 15 | |
| | | | |
| 11. | CUST488 | – Acct 488-Rental Rev-W/H & Conv Burn | DISTR |
| | Ratio | Page 35 Line 11 | CUST3860 |
| | | <u>Items Allocated</u> | CUST3862 |
| | | Page 8 Line 16 | CUST3863 |
| | | | CUST882 |
| | | | CUST879 |
| | | | |
| 12. | CUST882 | – Acct 882-Revenue Guardian Care & C/S | DISTR |
| | Ratio | Page 35 Line 12 | CUST3860 |
| | | <u>Items Allocated</u> | CUST3862 |
| | | Page 8 Line 17 | CUST3863 |
| | | Page 12 Line 22 | CUST488 |
| | | | CUST879 |
| | | | |
| 13. | CUST902 | – Acct 902 Meter Reading Expense | |
| | Ratio | Page 35 Line 13 | |
| | | <u>Items Allocated</u> | |
| | | Page 12 Line 2 | |
| | | | |
| 14. | CUST903 | – Acct 903-Cust Records & Collection Exp | |
| | Ratio | Page 35 Line 14 | |
| | | <u>Items Allocated</u> | |
| | | Page 12 Line 3 | |
| | | Line 7 | |
| | | Page 13 Line 12 | |
| | | | |
| 15. | CUST912 | – Acct-912 Demonstrating & Selling Exp | CUST913 |
| | Ratio | Page 35 Line 15 | |
| | | <u>Items Allocated</u> | |
| | | Page 12 Line 28 | |

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|-----|----------|--------------------------------------|----------|
| 16. | CUST913 | – Account 913 Advertising Expense | CUST912 |
| | Ratio | Page 35 Line 16 | |
| | | <u>Items Allocated</u> | |
| | | Page 12 Line 29 | |
| | | | |
| 17. | CUST879 | – Acct 879-Customer Installation Exp | DISTR |
| | Ratio | Page 35 Line 17 | CUST3860 |
| | | <u>Items Allocated</u> | CUST3862 |
| | | Page 11 Line 7 | CUST3863 |
| | | | CUST488 |
| | | | CUST882 |
| | | | |
| 18. | CUST903C | – Acct 903 Collection Expense | |
| | Ratio | Page 35 Line 18 | |
| | | <u>Items Allocated</u> | |
| | | Page 12 Line 4 | |

ALLOCATORS, Page 27**Same Numeric
Value As**

- | | | | |
|----|---------|--|---------|
| 1. | C904R3 | – Residential Heating Rate R-3 & R-4 | |
| | Ratio | Page 36 Line 1 | |
| | | <u>Items Allocated</u> | |
| | | Page 12 Line 9 | |
| | | | |
| 2. | C904R1 | – Residential Non-Heating Rate R-1 & R-2 | |
| | Ratio | Page 36 Line 2 | |
| | | <u>Items Allocated</u> | |
| | | Page 12 Line 10 | |
| | | | |
| 3. | C904OL | – Outdoor Lighting | |
| | Ratio | Page 36 Line 3 | |
| | | <u>Items Allocated</u> | |
| | | Page 12 Line 11 | |
| | | | |
| 4. | C904R40 | – High Winter Low Annual Rate G40 & T40 | C487R40 |
| | Ratio | Page 36 Line 4 | |
| | | <u>Items Allocated</u> | |
| | | Page 12 Line 12 | |
| | | | |
| 5. | C904R41 | – High Winter Med Annual Rate G41 & T41 | C487R41 |
| | Ratio | Page 36 Line 5 | |
| | | <u>Items Allocated</u> | |
| | | Page 12 Line 13 | |

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|-----|---------|--|---------|
| 6. | C904R42 | – High Winter High Annual Rate G42 & T42 | C487R42 |
| | Ratio | Page 36 Line 6 | |
| | | <u>Items Allocated</u> | |
| | | Page 12 Line 14 | |
| | | | |
| 7. | C904R43 | – High Wint Large Annual Rate G43 & T43 | C487R43 |
| | Ratio | Page 36 Line 7 | |
| | | <u>Items Allocated</u> | |
| | | Page 12 Line 15 | |
| | | | |
| 8. | C904R50 | – Low Winter Low Annual Rate G50 & T50 | C487R50 |
| | Ratio | Page 36 Line 8 | |
| | | <u>Items Allocated</u> | |
| | | Page 12 Line 16 | |
| | | | |
| 9. | C904R51 | – Low Winter Med Annual Rate G51 & T51 | C487R51 |
| | Ratio | Page 36 Line 9 | |
| | | <u>Items Allocated</u> | |
| | | Page 12 Line 17 | |
| | | | |
| 10. | C904R52 | – Low Winter High Annual Rate G52 & T52 | C487R52 |
| | Ratio | Page 36 Line 10 | |
| | | <u>Items Allocated</u> | |
| | | Page 12 Line 18 | |
| | | | |
| 11. | C904R53 | – Low Wint Large Annual Rate G53 & T53 | C487R53 |
| | Ratio | Page 36 Line 11 | |
| | | <u>Items Allocated</u> | |
| | | Page 12 Line 19 | |
| | | | |
| 12. | C487R40 | – High Winter Low Annual Rate G40 & T40 | C904R40 |
| | Ratio | Page 36 Line 15 | |
| | | <u>Items Allocated</u> | |
| | | Page 8 Line 6 | |
| | | | |
| 13. | C487R41 | – High Winter Med Annual Rate G41 & T41 | C904R41 |
| | Ratio | Page 36 Line 16 | |
| | | <u>Items Allocated</u> | |
| | | Page 8 Line 7 | |
| | | | |
| 14. | C487R42 | – High Winter High Annual Rate G42 & T42 | C904R42 |
| | Ratio | Page 36 Line 17 | |
| | | <u>Items Allocated</u> | |
| | | Page 9 Line 8 | |

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|-----|------------------|--|---------|
| 15. | C487R43
Ratio | – High Wint Large Annual Rate G43 & T43
Page 36 Line 18
<u>Items Allocated</u>
Page 9 Line 9 | C904R43 |
| 16. | C487R50
Ratio | – Low Winter Low Annual Rate G50 & T50
Page 36 Line 19
<u>Items Allocated</u>
Page 9 Line 10 | C904R50 |
| 17. | C487R51
Ratio | – Low Winter Med Annual Rate G51 & T51
Page 36 Line 20
<u>Items Allocated</u>
Page 9 Line 11 | C904R51 |
| 18. | C487R52
Ratio | – Low Winter High Annual Rate G52 & T52
Page 36 Line 21
<u>Items Allocated</u>
Page 9 Line 12 | C904R52 |
| 19. | C487R53
Ratio | – Low Wint Large Annual Rate G53 & T53
Page 36 Line 22
<u>Items Allocated</u>
Page 9 Line 13 | C904R53 |

ALLOCATORS, Page 28**Same Numeric
Value As**

- | | | | |
|----|----------------|---|-------------------|
| 1. | PLANT
Ratio | – Total Gas Plant in Service
Page 37 Line 1
<u>Items Allocated</u>
Page 2 Line 1
Line 2
Page 7 Line 19
Page 8 Line 18
Page 13 Line 11
Line 39
Page 14 Line 29
Page 17 Lines 4 to 5
Lines 7 to 8
Page 18 Line 10
Lines 16 to 17 | BASIS1P
BASIS2 |
|----|----------------|---|-------------------|

2. LABOR – Sum of Allocated Labor Expense
 Ratio Page 37 Line 2
 Items Allocated
 Page 2 Line 4
 Page 4 Lines 1 to 2
 Lines 4 to 5
 Lines 7 to 12
 Line 16
 Page 13 Line 25
 Page 14 Lines 1 to 2
 Page 17 Lines 1 to 2
3. PLT301 – Acct 301 Organization
 Ratio Page 37 Line 3
 Items Allocated
 Page 5 Lines 1 to 2
 Page 15 Lines 1 to 2
4. PLT303 – Acct 303 Misc. Intangible Plant
 Ratio Page 37 Line 4
 Items Allocated
 Page 5 Line 4
 Page 15 Lines 4 to 5
5. PLT305 – Acct 305 Structures & Improvements
 Ratio Page 37 Line 5
 Items Allocated
 Page 5 Line 6
 Page 15 Line 8
6. PLT311 – Acct 311 L.P. Gas Equipment
 Ratio Page 37 Line 6
 Items Allocated
 Page 5 Line 7
 Page 15 Line 9
7. PLT320 – Acct 320 Other Equipment
 Ratio Page 37 Line 7
 Items Allocated
 Page 5 Line 8
 Page 15 Line 10

BASIS9
 BASIS11

8. PLT321 – Acct 321 L.N.G. Equipment
Ratio Page 37 Line 8
Items Allocated
Page 5 Line 9
Page 15 Line 11
9. PLT365 – Acct 365 Right of Way
Ratio Page 37 Line 9
Items Allocated
Page 5 Line 11
Page 15 Line 13
10. PLT366 – Acct 366 Structures & Improvements
Ratio Page 37 Line 10
Items Allocated
Page 5 Line 12
Page 11 Line 12
Page 15 Line 14
11. PLT367 – Acct 367 Gas Mains
Ratio Page 37 Line 11
Items Allocated
Page 5 Line 13
Page 11 Line 13
12. PLT368 – Acct 368 Compressor Station Equipment
Ratio Page 37 Line 12
Items Allocated
Page 5 Line 14
Page 11 Line 14
Page 15 Line 23
13. PLT369 – Acct 369 Meas. & Reg. Station Equip
Ratio Page 37 Line 13
Items Allocated
Page 5 Line 15
Page 11 Line 4
Line 15
Page 15 Line 24

14. PLT380 – Acct 380 Gas Services
Ratio Page 37 Line 14
Items Allocated
Page 5 Line 16
Page 11 Line 16
Page 15 Line 25
15. PLT381 Acct 381 Gas Meters
Ratio Page 37 Line 15
Items Allocated
Page 4 Lines 13 to 14
Page 5 Line 17
Page 15 Line 26
16. PLT382 – Acct 382 Meter Installations
Ratio Page 37 Line 16
Items Allocated
Page 5 Line 18
Page 15 Line 27
17. PLT383 – Acct 383 Gas Regulators
Ratio Page 37 Line 17
Items Allocated
Page 5 Line 19
Page 15 Line 28
18. PLT3860 – Acct 386 Gas Water Heaters
Ratio Page 37 Line 18
Items Allocated
Page 5 Line 20
Page 15 Line 29
19. PLT3862 – Acct 386 Cascade Diamond Boilers
Ratio Page 37 Line 19
Items Allocated
Page 5 Line 21
Page 15 Line 30
20. PLT3863 – Acct 386 Conversion Burners
Ratio Page 37 Line 20
Items Allocated
Page 5 Line 22
Page 15 Line 31

21. PLT387 – Acct 387 Other Equipment
Ratio Page 37 Line 21
Items Allocated
Page 5 Line 24
Page 11 Line 18
Page 15 Line 33
22. PLT379 – Acct 379 Other Equipment
Ratio Page 37 Line 22
Items Allocated
Page 6 Line 1
Page 16 Line 1
23. PLT390 – Acct 390 Structures & Improvements
Ratio Page 37 Line 23
Items Allocated
Page 6 Line 3
Page 16 Line 3
24. PLT391 – Acct 391 Office Equipment
Ratio Page 37 Line 24
Items Allocated
Page 6 Line 5
25. PLT392 – Acct 392 Transportation Equipment
Ratio Page 37 Line 25
Items Allocated
Page 6 Line 6
Page 16 Line 8
26. PLT393 – Acct 393 Stores Equipment
Ratio Page 37 Line 26
Items Allocated
Page 6 Line 7
Page 16 Line 9
27. PLT394 – Acct 394 Tools, Shop & Garage Equip
Ratio Page 37 Line 27
Items Allocated
Page 6 Line 8
Page 16 Line 10

28. PLT396 – Acct 396 Power Operated Equipment
Ratio Page 37 Line 28
 Items Allocated
 Page 6 Line 9
 Page 16 Line 11
29. PLT3970 – Acct 397 Communication Equip-Other
Ratio Page 37 Line 29
 Items Allocated
 Page 6 Lines 10 to 11
 Page 7 Line 17
 Page 16 Line 12
30. PLT398 – Acct 398 Miscellaneous Equipment
Ratio Page 37 Line 30
 Items Allocated
 Page 6 Line 15
 Page 16 Line 16
31. LABPO – LPG Gas Prod Labor Accts 717 to 735
Ratio Page 37 Line 31
 Items Allocated
 Page 19 Line 1
32. EXP717 – Acct 717-LPG Gas Expenses
Ratio Page 37 Line 32
 Items Allocated
 Page 19 Line 2
33. EXP719 – Acct 719-Handling Expense
Ratio Page 37 Line 33
 Items Allocated
 Page 19 Line 3
34. EXP735 – Acct 735-Miscellaneous Production Exp
Ratio Page 37 Line 34
 Items Allocated
 Page 19 Line 4
35. LABPM – LPG Gas Prod Labor Accts 741 to 742
Ratio Page 37 Line 35
 Items Allocated
 Page 19 Line 6

36. EXP741 – Acct 741-Maintenance of Struct & Improv
 Ratio Page 37 Line 36
 Items Allocated
 Page 19 Line 7
37. EXP742 – Acct 742-Maintenance of Production Eq
 Ratio Page 37 Line 37
 Items Allocated
 Page 19 Line 8
38. LABLO – LNG Gas Prod Labor Accts 754 to 777
 Ratio Page 37 Line 38
 Items Allocated
 Page 19 Line 11
39. EXP754 – Acct-754-Liquefaction Expense
 Ratio Page 37 Line 39
 Items Allocated
 Page 19 Line 12
40. EXP757 – Acct 757-Vaporization Expense
 Ratio Page 37 Line 40
 Items Allocated
 Page 19 Line 13

ALLOCATORS, Page 29**Same Numeric
Value As**

1. EXP759 – Acct 759-Handling Expense
 Ratio Page 38 Line 1
 Items Allocated
 Page 19 Line 14
2. EXP775 – Acct 775-Miscellaneous Production Exp
 Ratio Page 38 Line 2
 Items Allocated
 Page 19 Line 15
3. EXP777 – Acct 777-Lease Expense
 Ratio Page 38 Line 3
 Items Allocated
 Page 19 Line 16

4. LABLM – LNG Gas Prod Labor Accts 781 to 782
Ratio Page 38 Line 4
 Items Allocated
 Page 19 Line 18
5. EXP781 – Acct 781-Maintenance of Struct & Improv
Ratio Page 38 Line 5
 Items Allocated
 Page 19 Line 19
6. EXP782 – Acct 782-Maintenance of Production Eq
Ratio Page 38 Line 6
 Items Allocated
 Page 19 Line 20
7. INTPLT – Total Intangible Plant
Ratio Page 38 Line 7
 Items Allocated
 Page 7 Line 13
8. PRODPLT – Total Production Plant
Ratio Page 38 Line 8
 Items Allocated
 Page 7 Line 14
9. LABDO – Trans & Distr Op Labor Accts 851 to 881
Ratio Page 38 Line 9
 Items Allocated
 Page 20 Line 1
10. EXP851 – Acct 851-Sys Control & Load Dispatch
Ratio Page 38 Line 10
 Items Allocated
 Page 20 Line 2
11. EXP852 – Acct 852-Communication System Exp
Ratio Page 38 Line 11
 Items Allocated
 Page 20 Line 3
12. EXP857 – Acct 857-Measuring & Regul Stat Exp
Ratio Page 38 Line 12
 Items Allocated
 Page 20 Line 4

13. EXP874 – Acct 874-Mains & Services Exp
Ratio Page 38 Line 13
Items Allocated
Page 20 Line 5
14. EXP878 – Acct 878-Meter & House Regulator Exp
Ratio Page 38 Line 14
Items Allocated
Page 20 Line 6
15. EXP879 – Acct 879-Customer Installations Exp
Ratio Page 38 Line 15
Items Allocated
Page 12 Line 30
Page 13 Line 26
Page 20 Line 7
16. EXP880 – Acct 880-Other Expenses
Ratio Page 38 Line 16
Items Allocated
Page 20 Line 8
17. EXP881 – Acct 881-Rents
Ratio Page 38 Line 17
Items Allocated
Page 20 Line 9
18. LABDM – Trans & Distr Maint Lab Accts 851 to 881
Ratio Page 38 Line 18
Items Allocated
Page 20 Line 11
19. EXP886 – Acct 886-Maintenance of Struct & Improv
Ratio Page 38 Line 19
Items Allocated
Page 20 Line 12
20. EXP887 – Acct 887-Maintenance of Mains
Ratio Page 38 Line 20
Items Allocated
Page 20 Line 13
21. EXP888 – Acct 888-Maint of Compressor Station Eq
Ratio Page 38 Line 21
Items Allocated
Page 20 Line 14

22. EXP889 – Acct 889-Maint of Meas & Reg Station Eq
Ratio Page 38 Line 22
 Items Allocated
 Page 20 Line 15
23. EXP892 – Acct 892-Maintenance of Services
Ratio Page 38 Line 23
 Items Allocated
 Page 20 Line 16
24. EXP893 Acct 893-Mnt of Meters & House Regul
Ratio Page 38 Line 24
 Items Allocated
 Page 20 Line 17
25. EXP894 – Acct 894-Maintenance of Other Equip
Ratio Page 38 Line 25
 Items Allocated
 Page 20 Line 18
26. LABCA – Customer Accts Labor Accts 902 to 903
Ratio Page 38 Line 26
 Items Allocated
 Page 21 Line 1
27. EXP902 – Acct 902-Meter Reading Expenses
Ratio Page 38 Line 27
 Items Allocated
 Page 21 Line 2
28. EXP903 – Acct 903-Cust Records & Collection Exp
Ratio Page 38 Line 28
 Items Allocated
 Page 13 Line 21
 Page 21 Line 3
29. LABSA – Sales Expenses labor Accts 912-916
Ratio Page 38 Line 29
 Items Allocated
 Page 21 Line 5
30. EXP912 – Acct 912-Demonstrating & Selling Exp
Ratio Page 38 Line 30
 Items Allocated
 Page 21 Line 6

31. EXP913 – Acct 913-Advertising Exp
Ratio Page 38 Line 31
 Items Allocated
 Page 21 Line 7
32. EXP916 – Acct 916-Miscellaneous Sales Exp
Ratio Page 38 Line 32
 Items Allocated
 Page 21 Line 8
33. EXP920 – Acct 920-Administrative & General Sal
Ratio Page 38 Line 33
 Items Allocated
 Page 22 Line 1
34. EXP921 – Acct 921-Office Supplies & Expenses
Ratio Page 38 Line 34
 Items Allocated
 Page 22 Line 2
35. EXP922 – Acct 922-Administrative Exp Transf-CR
Ratio Page 38 Line 35
 Items Allocated
 Page 22 Line 3
36. EXP923 – Acct 923-Outside Services Employed
Ratio Page 38 Line 36
 Items Allocated
 Page 22 Line 4
37. EXP924 – Acct 924-Property Insurance
Ratio Page 38 Line 37
 Items Allocated
 Page 22 Line 5
38. EXP925 – Acct 925-Injuries & Damages
Ratio Page 38 Line 38
 Items Allocated
 Page 22 Line 6
39. EXP926 – Acct 926-Employees Pension & Benef
Ratio Page 38 Line 39
 Items Allocated
 Page 22 Line 7

40. EXP928 – Acct-928 Regulatory Commission Exp
 Ratio Page 38 Line 40
 Items Allocated
 Page 22 Line 8

Same Numeric
Value As

ALLOCATORS, Page 30

1. EXP929 – Acct-929 Duplicate Charges-Cr
 Ratio Page 39 Line 1
 Items Allocated
 Page 22 Line 9
2. EXP930 – Acct 930-Miscellaneous General Exp
 Ratio Page 39 Line 2
 Items Allocated
 Page 22 Line 10
3. EXP931 – Acct 931 Rents
 Ratio Page 39 Line 3
 Items Allocated
 Page 22 Line 11
4. EXP932 – Acct 932 Maintenance of General Plant
 Ratio Page 39 Line 4
 Items Allocated
 Page 22 Line 13
5. TLABPO – Total LPG Gas Operating Labor
 Ratio Page 39 Line 5
 Items Allocated
 Page 9 Line 1
6. TLABPM – Total LPG Gas Maintenance Labor
 Ratio Page 39 Line 6
 Items Allocated
 Page 9 Line 8
7. TLABLO – Total LNG Gas Operating Labor
 Ratio Page 39 Line 7
 Items Allocated
 Page 9 Line 13

8. TLABLM – Total LNG Gas Maintenance Labor
Ratio Page 39 Line 8
 Items Allocated
 Page 9 Line 23
9. TLABDO – Total Transm & Distr Operating Labor
Ratio Page 39 Line 9
 Items Allocated
 Page 11 Line 1
10. TLABDM – Total Transm & Distr Maintenance Labor
Ratio Page 39 Line 10
 Items Allocated
 Page 11 Line 11
11. TLABCA – Total Customer Accounts Labor
Ratio Page 39 Line 11
 Items Allocated
 Page 12 Line 1
12. TLABSA – Total Sales Expense Labor
Ratio Page 39 Line 12
 Items Allocated
 Page 12 Line 27
13. GENPLT – Total General Plant
Ratio Page 39 Line 13
 Items Allocated
 Page 7 Line 16
 Page 14 Lines 20 to 21
 Page 16 Line 18

14. REVCLAIM – Claimed Sales Revenues less Gas Costs PENSION
Ratio Page 39 Line 14
Items Allocated
Page 7 Line 24
Page 13 Lines 1 to 3
Line 5
Line 10
Lines 19 to 20
Lines 22 to 24
Line 27
Line 29
Line 33
Lines 35 to 37
Lines 40 to 42
Page 14 Lines 5 to 6
Line 8
Lines 9 to 11
Line 13
Line 30
Page 17 Line 11
15. EXP9123 – Sales Expense Accounts 912 to 913
Ratio Page 39 Line 15
Items Allocated
Page 12 Line 33
16. PLT36780 – Acct 367 Mains and Acct 380 Services
Ratio Page 39 Line 16
Items Allocated
Page 11 Line 5
17. PLT3813 – Acct 381, 382 & 383 - Meters & House Reg
Ratio Page 39 Line 17
Items Allocated
Page 7 Line 6
Page 11 Line 6
Line 17
18. PLT3803 – Acct 380,381,382 & 383 Serv,Meters & Reg
Ratio Page 39 Line 18
Items Allocated
Page 7 Line 20

19. EXP8519 – Transm & Distr Oper Accts 851 to 879
Ratio Page 39 Line 19
Items Allocated
Page 11 Line 8
20. TOTCDEP – Total Customer Deposits
Ratio Page 39 Line 20
Items Allocated
Page 17 Line 19
21. PLT386 – Acct 386 Other Property on Cust's Prem
Ratio Page 39 Line 21
Items Allocated
Page 7 Line 9
Page 12 Line 23
Line 31
Page 14 Line 16
22. DISTRPLT – Total Transmission & Distribution Plant
Ratio Page 39 Line 22
Items Allocated
Page 7 Lines 4 to 5
Lines 7 to 8
Line 10
Line 15
Page 8 Line 20
Line 22
Page 12 Line 5
23. EXP904S – Acct 904-Uncollectible Accts-Gas Sales
Ratio Page 39 Line 23
Items Allocated
Page 12 Line 20
Line 21
24. EXP904O – Acct 904-Uncollectible Accts-Other Rev
Ratio Page 39 Line 24
Items Allocated
Page 12 Line 24
25. PLT367BS – Acct 367-Gas Mains - Bare Steel
Ratio Page 39 Line 25
Items Allocated
Page 15 Line 15

26. PLT367JC – Acct 367-Gas Mains - Joint Clamping
 Ratio Page 39 Line 26
 Items Allocated
 Page 15 Line 16
27. PLT367CI – Acct 367-Gas Mains - Cast Iron
 Ratio Page 39 Line 27
 Items Allocated
 Page 15 Line 17
28. PLT367CP – Acct 367-Gas Mains - Cathodic Protect
 Ratio Page 39 Line 28
 Items Allocated
 Page 15 Line 18
29. PLT367CS – Acct 367-Gas Mains - Coated Steel
 Ratio Page 39 Line 29
 Items Allocated
 Page 15 Line 19
30. PLT367P – Acct 367-Gas Mains - Plastic
 Ratio Page 39 Line 30
 Items Allocated
 Page 15 Lines 20 & 21
31. PLT391OE – Acct 391-Office Equipment
 Ratio Page 39 Line 31
 Items Allocated
 Page 16 Line 5
32. PLT391IT – Acct 391-Office IT Equipment
 Ratio Page 39 Line 32
 Items Allocated
 Page 16 Line 6
33. PLT397M – Acct 397-Comm Equip – Metscan
 Ratio Page 39 Line 33
 Items Allocated
 Page 6 Line 12
 Page 14 Lines 14 to 15
 Page 16 Line 14
 Line 19
 Page 22 Line 17

34. PLT397E – Acct 397-Comm Equip ERT/ITRON
 Ratio Page 39 Line 34
 Items Allocated
 Page 6 Line 13
 Page 14 Line 17
 Page 16 Line 13
 Page 22 Line 18
35. PLT304L – Acct 304 Lnd Rights- LNG & LPG Dir Csts
 Ratio Page 39 Line 35
 Items Allocated
 Page 2 Line 8
36. PLT305L – Acct 305 St & Impr-LNG & LPG Dir Csts
 Ratio Page 39 Line 36
 Items Allocated
 Page 2 Line 12
37. PLT320L – Acct 320 Other Eq-LNG & LPG Dir Csts
 Ratio Page 39 Line 37
 Items Allocated
 Page 2 Line 17
38. OMLAB – Total Gas Operation & Maintenance Labor
 Ratio Page 39 Line 38
 Items Allocated
 Page 14 Lines 26 to 28
39. OTHOMINF – Inflation Adjustment Residual O&M
 Ratio Page 39 Line 39
 Items Allocated
 Page 14 Line 31

ALLOCATORS, Page 31**Same Numeric
Value As**

1. GASCOSTS – Total Gas Supply Expense
 Ratio Page 40 Line 1
 Items Allocated
 Page 13 Line 31
2. EXP903T – Acct 903-Cust Records & Coll Subtotal
 Ratio Page 40 Line 2
 Items Allocated
 Page 12 Line 6

- | | | | |
|-----|----------|---|---------|
| 3. | BASIS1P | – Basis 1 - 50% Gross Plant | |
| | Ratio | Page 40 | Line 12 |
| | | <u>Items Allocated</u> | |
| | | Page 13 | Line 6 |
| 4. | BASIS1OM | – Basis 1 - 50% O&M less Gas & NIS 923 | |
| | Ratio | Page 40 | Line 13 |
| | | <u>Items Allocated</u> | |
| | | Page 13 | Line 7 |
| 5. | BASIS10 | – Basis 10 - Number of Annual Customers | |
| | Ratio | Page 40 | Line 14 |
| | | <u>Items Allocated</u> | |
| | | Page 13 | Line 8 |
| 6. | BASIS11 | – Basis 11 - Labor | BASIS9 |
| | Ratio | Page 40 | LABOR |
| | | <u>Items Allocated</u> | |
| | | Page 13 | Line 9 |
| 7. | BASIS2 | – Basis 2 - Gross Plant | BASIS1P |
| | Ratio | Page 40 | PLANT |
| | | <u>Items Allocated</u> | |
| | | Page 13 | Line 13 |
| 8. | BASIS20 | – Basis 20 - Total Direct Billed | |
| | Ratio | Page 40 | Line 17 |
| | | <u>Items Allocated</u> | |
| | | Page 13 | Line 14 |
| 9. | BASIS7P | – Basis 7 - 50% Deprec Plant | |
| | Ratio | Page 40 | Line 18 |
| | | <u>Items Allocated</u> | |
| | | Page 13 | Line 15 |
| 10. | BASIS70M | – Basis 7 - 50% O&M less NIS 923 | |
| | Ratio | Page 40 | Line 19 |
| | | <u>Items Allocated</u> | |
| | | Page 13 | Line 16 |
| 11. | BASIS9 | – Basis 9 - Labor | BASIS11 |
| | Ratio | Page 40 | LABOR |
| | | <u>Items Allocated</u> | |
| | | Page 13 | Line 17 |

12. BASCO12 – Basis Co 12 - Other NiSource Serv Chrgs

Ratio Page 40 Line 21

Items Allocated

Page 13 Line 18

ALLOCATORS, Page 33Same Numeric
Value As

1. DEMLPG – LPG Prod & Pressure Support Alloc

DEMLNG

Ratio Page 33 Line 10

Items Allocated

Page 2 Line 7

Line 11

Line 14

Line 16

Page 9 Line 2

Line 3

Line 6

Line 9

Line 10

2. DEMLNG – LNG Prod & Pressure Support Alloc

DEMLPG

Ratio Page 33 Line 11

Items Allocated

Page 2 Line 6

Line 10

Line 15

Line 19

Page 8 Line 19

Page 9 Line 14

Line 15

Line 17

Line 20

Line 21

Line 24

Line 25

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF TELECOMMUNICATIONS AND ENERGY

RESPONSE OF BAY STATE GAS COMPANY TO THE
SEVENTH SET OF INFORMATION REQUESTS FROM THE ATTORNEY GENERAL
D. T. E. 05-27

Date: June 6, 2005

Responsible: James L. Harrison, Consultant (Cost Studies)

AG-7-23 Refer to Exhibit BSG/JLH-3. Please provide all spreadsheet models supporting the Long-Run Marginal Cost Study. All formulas and computations must be in tact and the spreadsheet models must be capable of re-computing the results shown on the MCS schedules and computing different results based on changing the inputs. If the model for this schedule is linked to other spreadsheet models, provide all working linked models.

Response: The long-run marginal cost study is produced by MAC's proprietary spreadsheet model. As such, the model is provided under the Nondisclosure Agreement between the Attorney General and Bay State designated as "Protected Materials." The requested information is provided on a proprietary compact disk (which will be delivered to the Attorney General tomorrow) in the directory labeled AG-7-23.